

Science Tobacco & You

Focus Age Group: 4th-6th Grades

Number of Lessons:

9 modules and 22 activities

Cost:

\$1395.00/without digital camera- \$1195.00

Meets the Following State Standards:

See Attached Sheet

Objectives of Curriculum:

An interactive, multi-disciplinary, inquiry-based program, which students discover the harmful effects of tobacco on their bodies through science-building academic skills. Students gain academic skills through inquiry- based, hands-on activities, and gain content knowledge and skills to become informed decision makers

Curriculum Contents:

- Manipulative Package and Student/Teacher Guidebook
- Teacher Resource CD-ROM
- CD-ROM and Digital Camera
- ScienceU Website
- Full-Color Book About Each System in Human Body
- Available in Spanish

Contact Information:

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Developed by Maricopa County Tobacco Use Prevention Program (MACTUPP)



Maricopa County Tobacco Use Prevention Program

State of Arizona Content Standards

Science, Tobacco & You (4th-6th)

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
1: Body Tracing and Organ Placing	Language Arts	Standard #2: Writing. Students effectively use written language for a variety of purposes and with a variety of audiences.	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Write a story.</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

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Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
2: Build a Diaphragm Model	Language Arts	Standard #2: see above Standard #3: Students effectively listen and speak in situations that serve different purposes and involve a variety of audiences.	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Write a story.</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
3: K-W-L	Language Arts	Standard #2: see above Standard #3: see above	Implement a research strategy that includes: <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product
4: Diffusion Dance	Language Arts	Standard #2: see above	Implement a research strategy that includes: <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
5: Listen to Your Heart (and lungs)	Language Arts	Standard #2: see above Standard #3: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
6: How Does Exercise Affect Pulse and Respiration	Language Arts	Standard #2: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Write a story.</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
7: Sounds of the Human Body	Language Arts	Standard #2: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
8: Gas Exchange Stroll	Language Arts	Standard #2: see above Standard #3: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Write a story.</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
9: Calibrating Lung Capacity	Language Arts	Standard #2: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Write a story.</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
10: Measuring Lung Capacity	Language Arts	Standard #2: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Write a story.</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
11: Inefficient Lung Function	Language Arts	Standard #2: see above Standard #3: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Write a story.</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
12: What does Lung Disease Feel Like?	Language Arts	Standard #2: see above Standard #3: see above Standard #4: Viewing and Presenting. Students use a variety of visual media and resources to gather, evaluate and synthesize information and to communicate with others.	Implement a research strategy that includes: <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
14: Research about Health Issues	Language Arts	Standard #2: see above Standard #3: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product <p>Write a formal communication in an appropriate format for a specific audience and purpose.</p> <p>Organize ideas in a meaningful sequence using transitional words or phrases (e.g., <i>first, next, then</i>).</p> <p>Express ideas that are clear and directly related to the topic.</p>

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
15: The Pocket Game	Language Arts	Standard #2: see above Standard #3: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product <p>Write a formal communication in an appropriate format for a specific audience and purpose.</p> <p>Organize ideas in a meaningful sequence using transitional words or phrases (e.g., <i>first, next, then</i>).</p> <p>Express ideas that are clear and directly related to the topic.</p>

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
16: Making Sense of Taste and Smell	Language Arts	Standard #2: see above Standard #3: see above	Implement a research strategy that includes: <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
17: Conducting Interviews	Language Arts	Standard #2: see above Standard #3: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product <p>Write a formal communication in an appropriate format for a specific audience and purpose.</p> <p>Organize ideas in a meaningful sequence using transitional words or phrases (e.g., <i>first</i>, <i>next</i>, <i>then</i>).</p> <p>Express ideas that are clear and directly related to the topic.</p>

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
18: Reporting on Spit Tobacco	Language Arts	Standard #2: see above	Implement a research strategy that includes: <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
19: Label Analysis	Language Arts	Standard #2: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Write a story.</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
20: Dietary Planning	Language Arts	Standard #2: see above Standard #3: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Write a story.</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
21: Analyzing and Interpreting Information	Language Arts	Standard #2: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product <p>Write a formal communication in an appropriate format for a specific audience and purpose.</p> <p>Organize ideas in a meaningful sequence using transitional words or phrases (e.g., <i>first, next, then</i>).</p> <p>Express ideas that are clear and directly related to the topic.</p>

Language Arts Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
22: Using Statistics to Learn about Science	Language Arts	Standard #2: see above	<p>Spell correctly.</p> <p>Punctuate correctly (e.g., sentence endings, commas in a friendly letter's greeting and closing, commas in a series, abbreviations, quotations in dialog, apostrophes).</p> <p>Apply rules of capitalization (e.g., sentence beginnings, titles, abbreviations, proper nouns).</p> <p>Apply standard grammar and usage (e.g., subject-verb agreement, simple and compound sentences, appropriate verb tense, plurals).</p> <p>Organize paragraphs with a variety of sentence structures (e.g., simple, compound).</p> <p>Implement a research strategy that includes:</p> <ul style="list-style-type: none"> ❖ selecting appropriate source for a specific research purpose ❖ utilizing reference materials (e.g., dictionary, thesaurus, encyclopedia, informational trade books, multimedia sources, Internet) ❖ writing a paraphrase of information from a source ❖ recording relevant information (e.g., notes, graphs, tables) taken from a research source ❖ organizing notes and integrating notes into a finished product ❖ incorporating notes into a finished product <p>Write a formal communication in an appropriate format for a specific audience and purpose.</p> <p>Organize ideas in a meaningful sequence using transitional words or phrases (e.g., <i>first, next, then</i>).</p> <p>Express ideas that are clear and directly related to the topic.</p>

Science Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
1: Body Tracing and Organ Placing	Science	<p>Standard #1: Science as Inquiry. Students understand and use the processes of scientific investigation and scientific ways of knowing. They are able to design, conduct, describe and evaluate these investigations. They are able to understand and apply concepts that unify scientific disciplines.</p> <p>Standard #2: History and Nature of Science. Students understand the nature of scientific ways of thinking. Students understand that scientific investigation grows from the contributions of many people.</p> <p>Standard #4: Life Science. Students understand the characteristics of living things, the diversity of life and how organisms change over time of biological adaptation and genetics. Students understand the interrelationships of matter and energy in living organisms and the interactions of living organisms with their environment.</p>	<p>Design a model to illustrate a system.</p> <p>Describe major scientific contributions.</p> <p>Identify the main structures of cells within an organism.</p> <p>Identify the main structures of tissues within an organism.</p> <p>Identify the main structures of organs within an organism.</p> <p>Identify the interrelationships among cells, tissues and organs.</p> <p>Identify the functions of systems (e.g., digestion, respiration, reproduction, circulation, excretion, movement, control, coordination).</p>

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Science Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
2: Build a Diaphragm Model	Science	Standard #1: see above Standard #2: see above Standard #4: see above	Design a model to illustrate a system. Describe major scientific contributions. Identify the main structures of cells within an organism. Identify the main structures of tissues within an organism. Identify the main structures of organs within an organism. Identify the interrelationships among cells, tissues and organs. Identify the functions of systems (e.g., digestion, respiration, reproduction, circulation, excretion, movement, control, coordination).
3: K-W-L	Science	Standard #1: see above Standard #2: see above Standard #4: see above	Describe major scientific contributions. Identify the main structures of cells within an organism. Identify the main structures of tissues within an organism. Identify the main structures of organs within an organism. Identify the interrelationships among cells, tissues and organs. Distinguish between a question and a hypothesis. Describe the functions of variables in an investigation. Predict an outcome based on experimental data. Describe how science has helped technology change over time.
4: Diffusion Dance	Science	Standard #4: see above	Identify the main structures of cells within an organism. Identify the main structures of tissues within an organism. Identify the main structures of organs within an organism. Identify the interrelationships among cells, tissues and organs. Identify the functions of systems (e.g., digestion, respiration, reproduction, circulation, excretion, movement, control, coordination).

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Science Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
5: Listen to Your Heart (and lungs)	Science	Standard #1: see above Standard #2: see above Standard #4: see above	Design a model to illustrate a system. Describe major scientific contributions. Identify the main structures of cells within an organism. Identify the main structures of tissues within an organism. Identify the main structures of organs within an organism. Identify the interrelationships among cells, tissues and organs. Identify the functions of systems (e.g., digestion, respiration, reproduction, circulation, excretion, movement, control, coordination). Distinguish between a question and a hypothesis. Describe the functions of variables in an investigation. Predict an outcome based on experimental data.
6: How Does Exercise Affect Pulse and Respiration	Science	Standard #2: see above Standard #4: see above	Describe major scientific contributions. Identify the main structures of cells within an organism. Identify the main structures of tissues within an organism. Identify the main structures of organs within an organism. Identify the functions of systems (e.g., digestion, respiration, reproduction, circulation, excretion, movement, control, coordination).
7: Sounds of the Human Body	Science	Standard #2: see above	Describe major scientific contributions. Describe how science has helped technology change over time.

Science Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
8: Gas Exchange Stroll	Science	Standard #1: see above Standard #2: see above Standard #4: see above	Design a model to illustrate a system. Describe major scientific contributions. Identify the main structures of cells within an organism. Identify the main structures of tissues within an organism. Identify the main structures of organs within an organism. Identify the interrelationships among cells, tissues and organs. Identify the functions of systems (e.g., digestion, respiration, reproduction, circulation, excretion, movement, control, coordination).
9: Calibrating Lung Capacity	Science	Standard #2: see above Standard #4: see above	Describe major scientific contributions. Describe how science has helped technology change over time.
10: Measuring Lung Capacity	Science	Standard #2: see above Standard #4: see above	Describe major scientific contributions. Identify the main structures of cells within an organism. Identify the main structures of tissues within an organism. Identify the main structures of organs within an organism. Identify the interrelationships among cells, tissues and organs. Describe how science has helped technology change over time.

Science Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
11: Inefficient Lung Function	Science	Standard #1: see above Standard #2: see above Standard #4: see above	Design a model to illustrate a system. Describe major scientific contributions. Identify the main structures of cells within an organism. Identify the main structures of tissues within an organism. Identify the main structures of organs within an organism. Identify the interrelationships among cells, tissues and organs. Identify the functions of systems (e.g., digestion, respiration, reproduction, circulation, excretion, movement, control, coordination). Describe how science has helped technology change over time.
12: What does Lung Disease Feel Like?	Science	Standard #2: see above Standard #4: see above	Describe major scientific contributions. Identify the main structures of cells within an organism. Identify the main structures of tissues within an organism. Identify the main structures of organs within an organism. Identify the interrelationships among cells, tissues and organs. Identify the functions of systems (e.g., digestion, respiration, reproduction, circulation, excretion, movement, control, coordination).
14: Research About Health Issues	Science	Standard #2: see above	

Science Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
15: The Pocket Game	Science	Standard #4: see above Standard #2: see above	Identify the main structures of cells within an organism. Identify the main structures of tissues within an organism. Identify the main structures of organs within an organism. Identify the interrelationships among cells, tissues and organs. Identify the functions of systems (e.g., digestion, respiration, reproduction, circulation, excretion, movement, control, coordination).
16: Making Sense of Taste and Smell	Science	Standard #2: see above	Describe major scientific contributions.
19: Label Analysis	Science	Standard #2: see above	Describe major scientific contributions.

Math Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
1: Body Tracing and Organ Placing	Math	Standard #5: Measurement and Discrete Mathematics. Students make and use direct and indirect measurement, metric and U.S. customary, to describe and compare the real world and to prepare for the study of discrete functions, fractals and chaos which have evolved out of the age of technology.	Measure length, volume, and weight in both U.S. customary and metric units. Record estimates and measurements for area.
6: How Does Exercise Affect Pulse and Respiration	Math	Standard #2: Data Analysis and Probability. Students use data collection and analysis, statistics, and probability to make valid inferences, decisions and arguments and to solve a variety of real-world problems.	Construct bar graphs, line graphs, circle graphs, frequency tables and Venn diagrams. Interpret and analyze data from graphical representations and draw simple conclusions.
9: Calibrating Lung Capacity	Math	Standard #2: see above Standard #5: see above Standard #6: Mathematical Structure/Logic. Students use both inductive and deductive reasoning as they make conjectures and test the validity of arguments.	Measure length, volume, and weight in both U.S. customary and metric units. Record estimates and measurements for area. Construct bar graphs, line graphs, circle graphs, frequency tables and Venn diagrams. Interpret and analyze data from graphical representations and draw simple conclusions. Construct simple valid arguments using <i>if...then</i> statements based on graphic organizers (e.g., Venn diagrams and pictures...).

Math Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
10: Measuring Lung Capacity	Math	Standard #2: see above Standard #5: see above	Measure length, volume, and weight in both U.S. customary and metric units. Record estimates and measurements for area. Construct bar graphs, line graphs, circle graphs, frequency tables and Venn diagrams. Interpret and analyze data from graphical representations and draw simple conclusions.
12: What does Lung Disease Feel Like?	Math	Standard #2: see above	Construct bar graphs, line graphs, circle graphs, frequency tables and Venn diagrams. Interpret and analyze data from graphical representations and draw simple conclusions.

Comprehensive Health Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
1: Body Tracing and Organ Placing	Comprehensive Health	Standard #1: Students comprehend concepts related to health promotion and disease prevention.	Contrast healthy and unhealthy lifestyles.
2: Build a Diaphragm Model	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles.
3: K-W-L	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles.
4: Diffusion Dance	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles.
5: Listen to Your Heart (and lungs)	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles.
6: How Does Exercise Affect Pulse and Respiration	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles.
7: Sounds of the Human Body	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.
8: Gas Exchange Stroll	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.

Comprehensive Health Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
9: Calibrating Lung Capacity	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.
10: Measuring Lung Capacity	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.
11: Inefficient Lung Function	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.
12: What does Lung Disease Feel Like?	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.
13: Create A Game Board	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.
14: Research about Health Issues	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.
15: The Pocket Game	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.
16: Making Sense of Taste and Smell	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.

Comprehensive Health Content Area

Curriculum Lesson	Standard Content Area	Standard Description & Number	Objective of Lesson/Performance Objective
17: Conducting Interviews	Comprehensive Health	Standard #1: see above Standard #2: Students demonstrate the ability to access accurate health information. Standard #4: Students analyze the influence of culture, media, technology and other factors on health.	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use. Explain how media influences the selection of health information and products.
18: Reporting on Spit Tobacco	Comprehensive Health	Standard #1: see above Standard #2: see above Standard #4: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use. Explain how media influences the selection of health information and products. Determine the way media messages influence your health.
19: Label Analysis	Comprehensive Health	Standard #1: see above Standard #4: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use. Determine the way media messages influence your health.
20: Dietary Planning	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.
21: Analyzing and Interpreting Information	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.
22: Using Statistics to Learn about Science	Comprehensive Health	Standard #1: see above	Contrast healthy and unhealthy lifestyles. Describe harmful effects of substance use.